

FIG.1

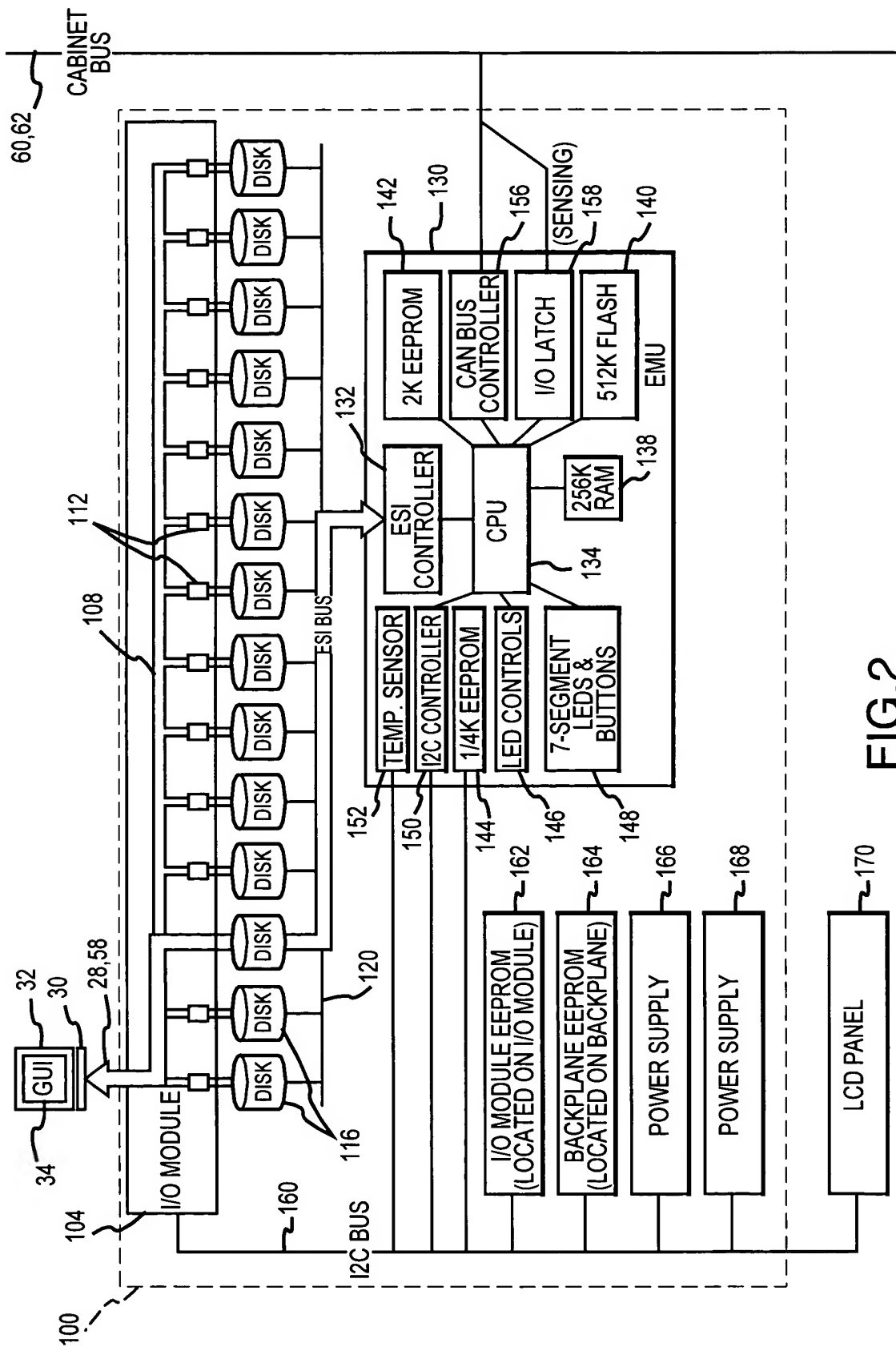


FIG.2

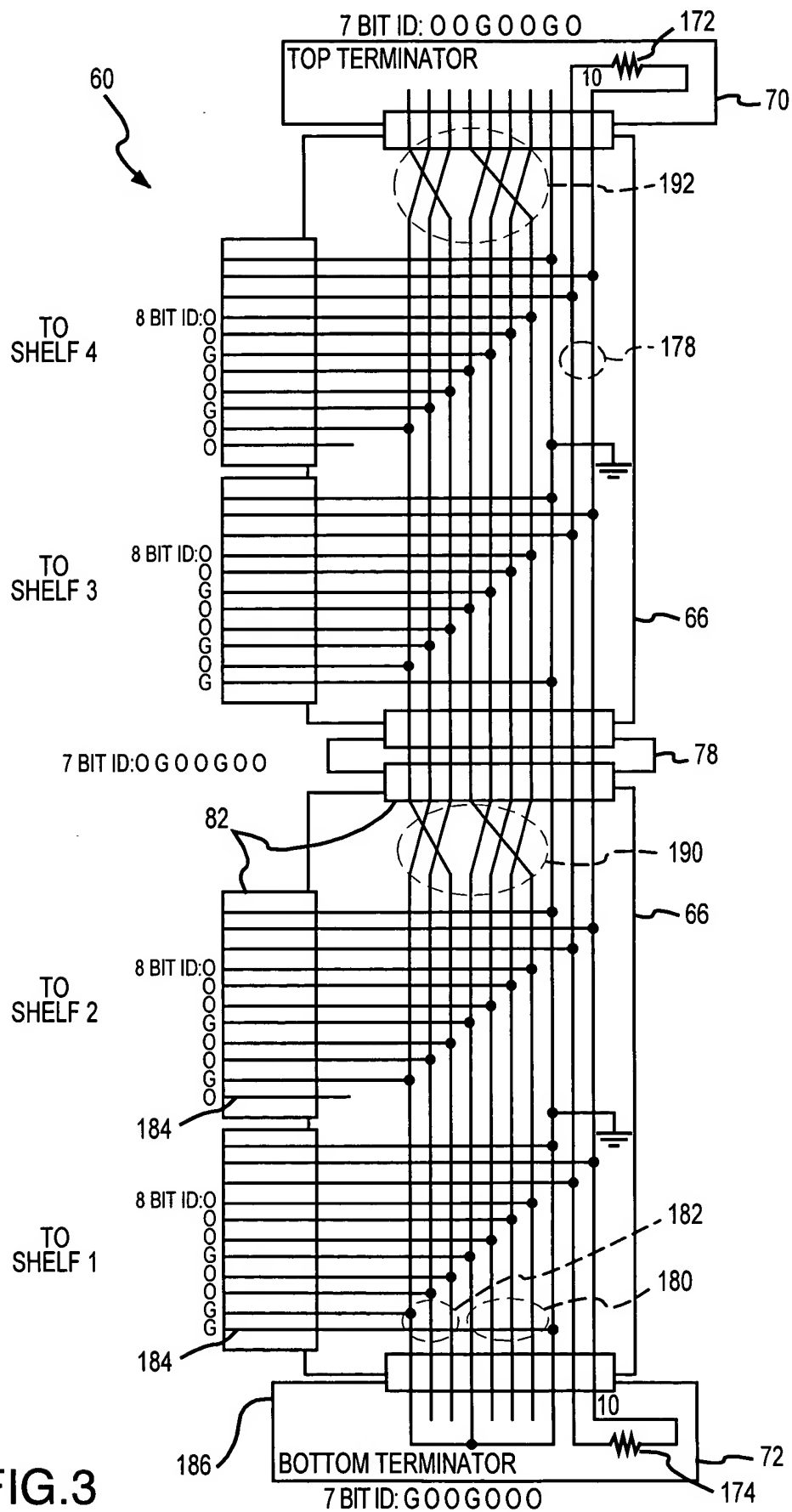


FIG. 3

SHELF ID	BITS 7..4	BITS 3..1	BIT 0
1	1110	110	0
2	1110	110	1
3	1101	101	0
4	1101	101	1
5	1011	011	0
6	1011	011	1
7	0111	110	0
8	0111	110	1
9	1110	101	0
10	1110	101	1
11	1101	011	0
12	1101	011	1
13	1011	110	0
14	1011	110	1
15	0111	101	0
16	0111	101	1
17	1110	011	0
18	1110	011	1
19	1101	110	0
20	1101	110	1
21	1011	101	0
22	1011	101	1
23	0111	011	0
24	0111	011	1
CABINET CABLE DISCONNECTED	1111	XXX	X
CABINET CABLE DISCONNECTED	XXXX	111	X

FIG.4

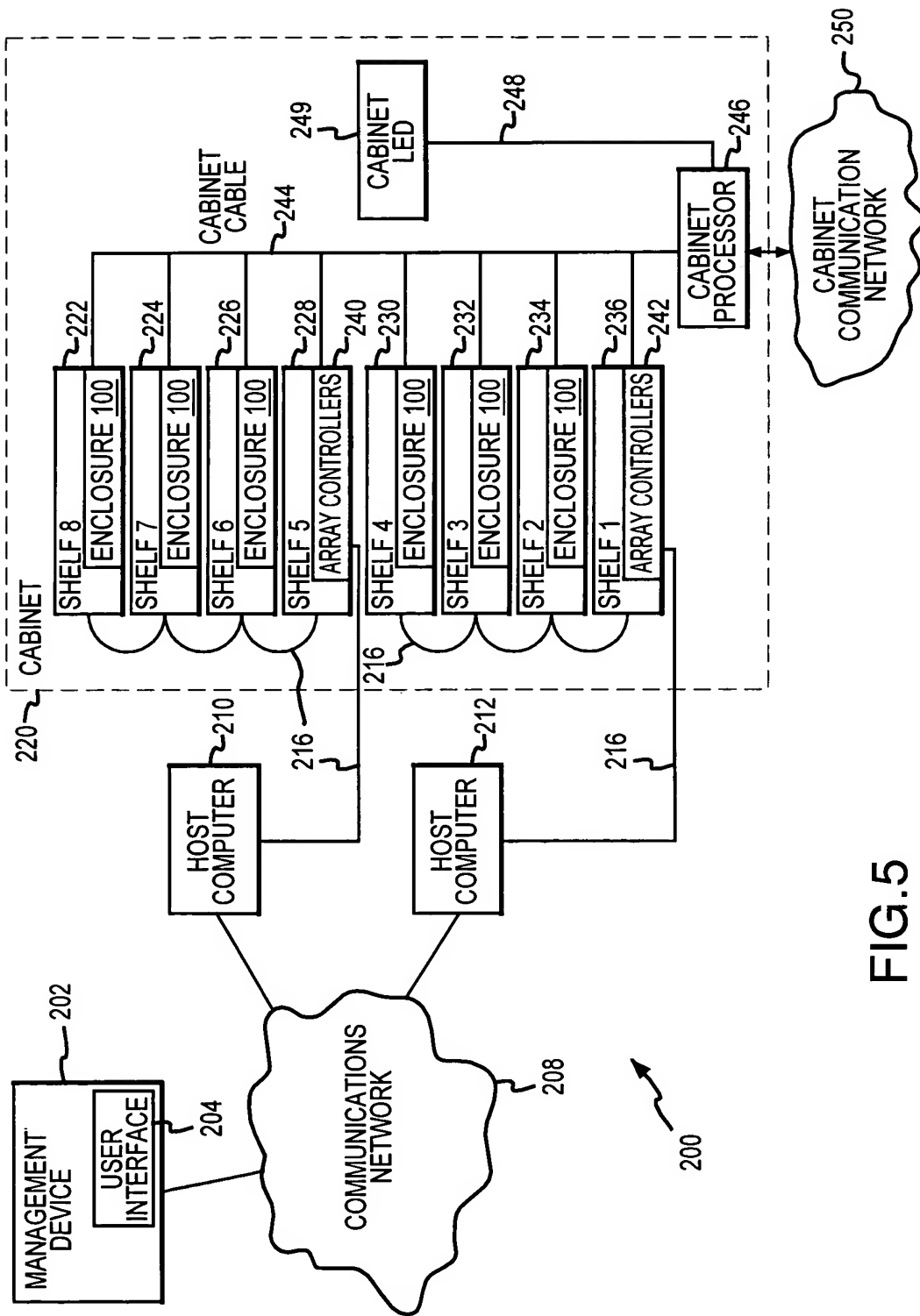


FIG. 5

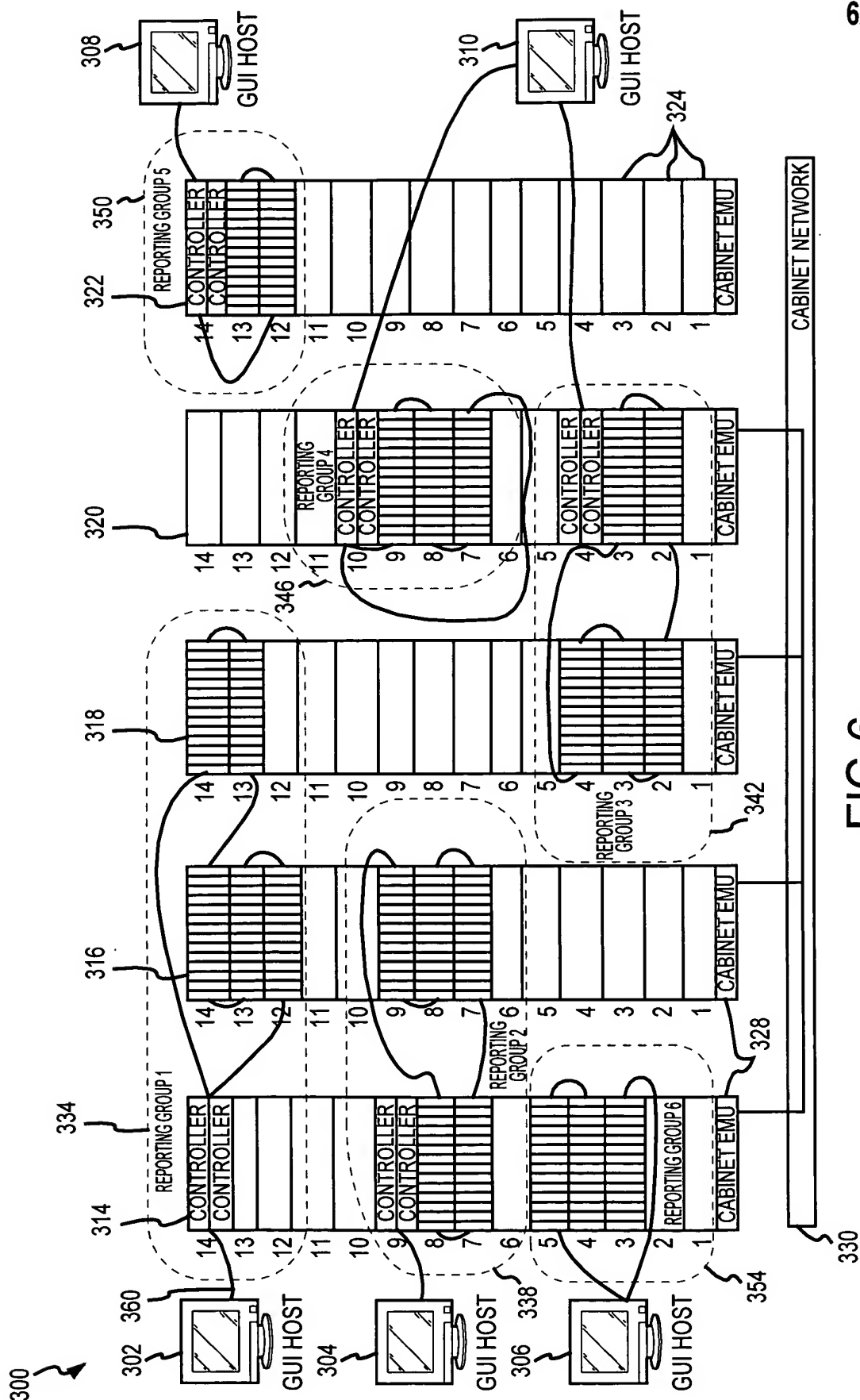


FIG. 6

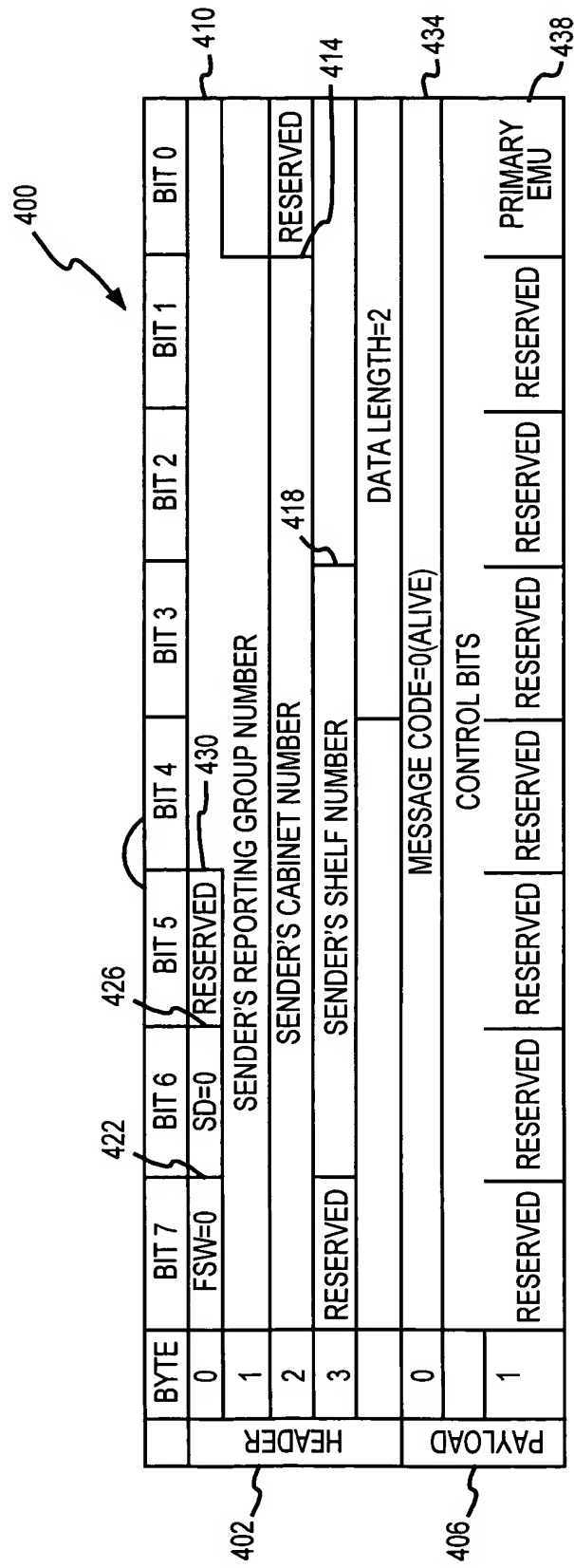


FIG. 7

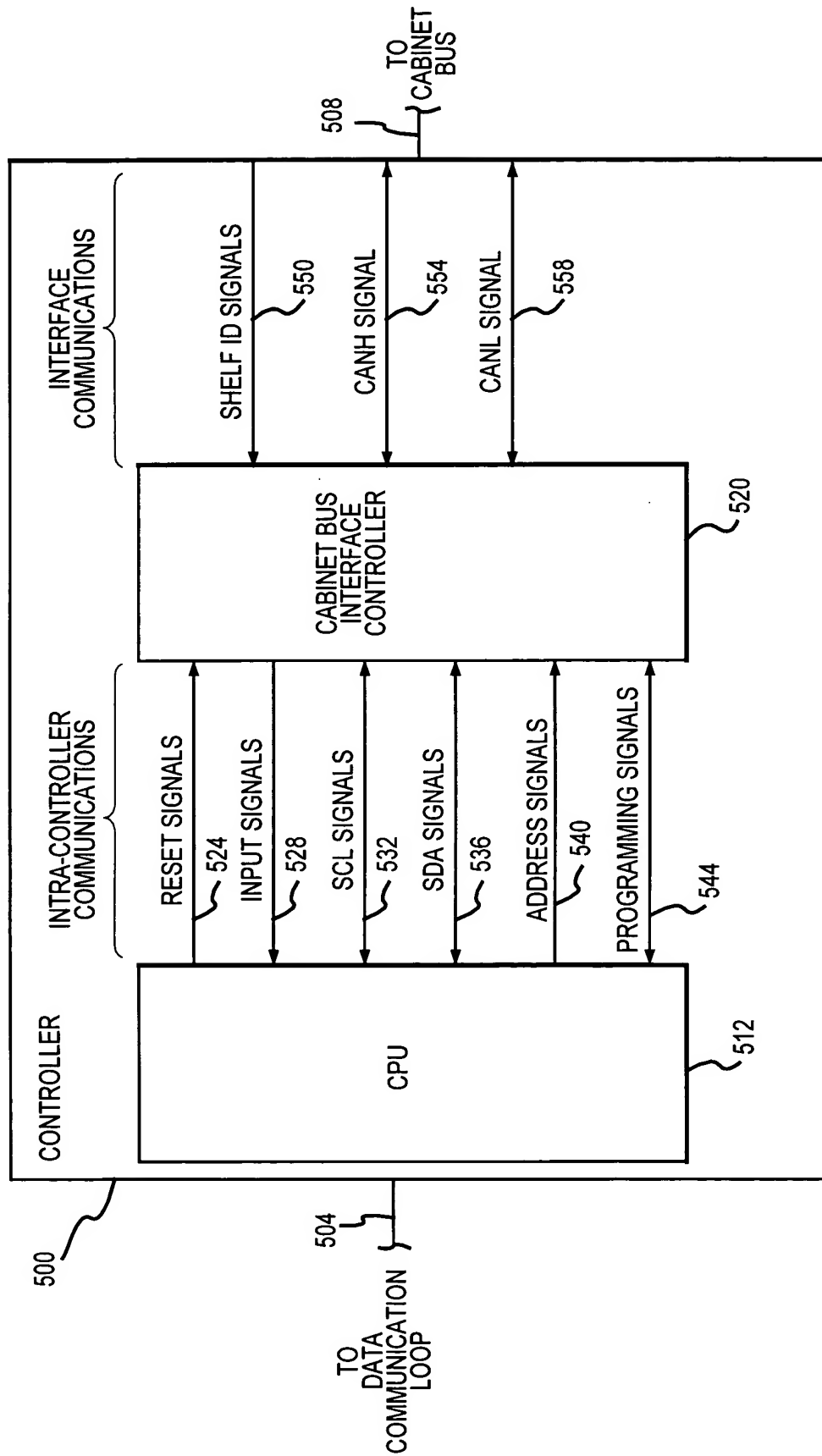
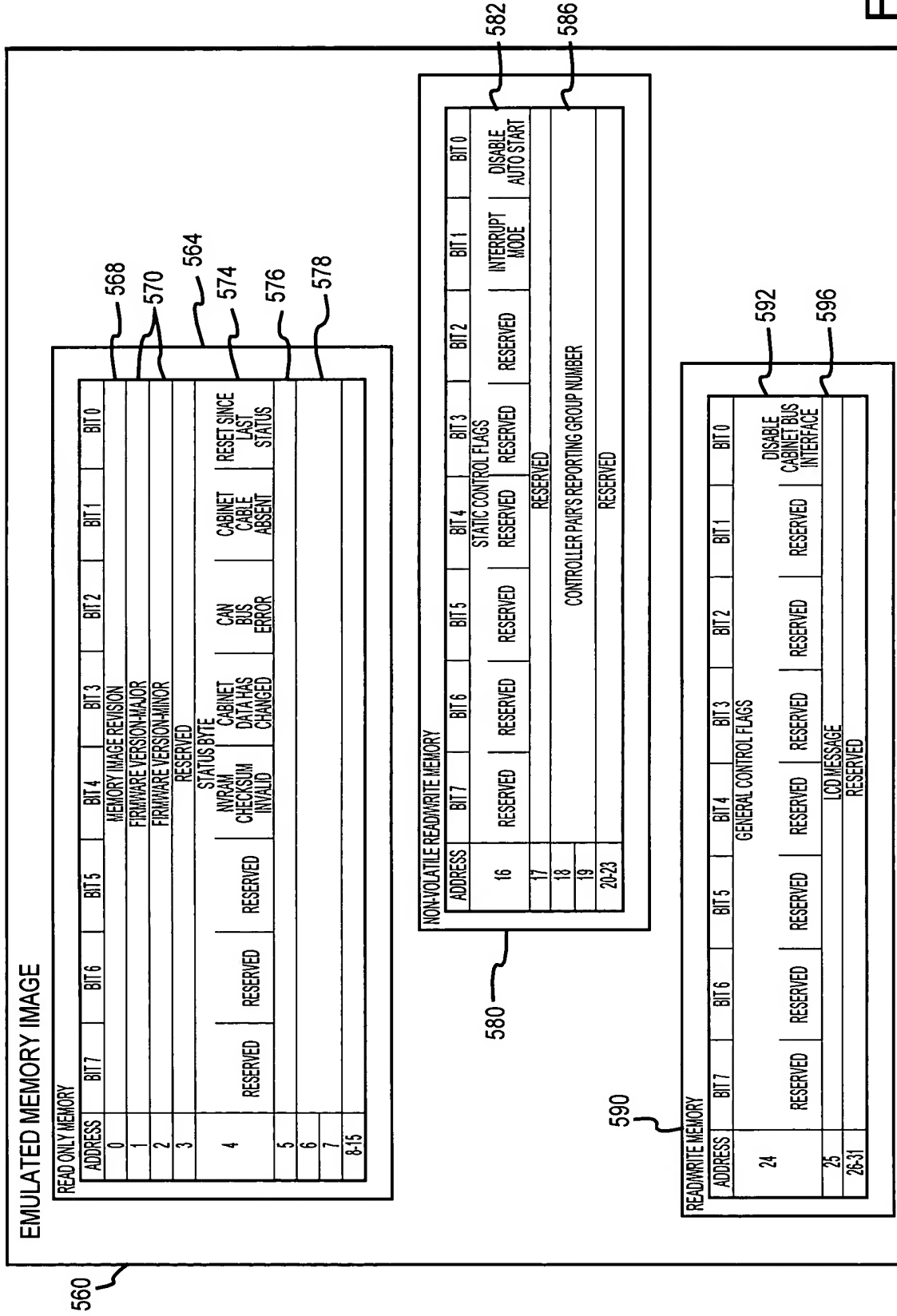


FIG.8



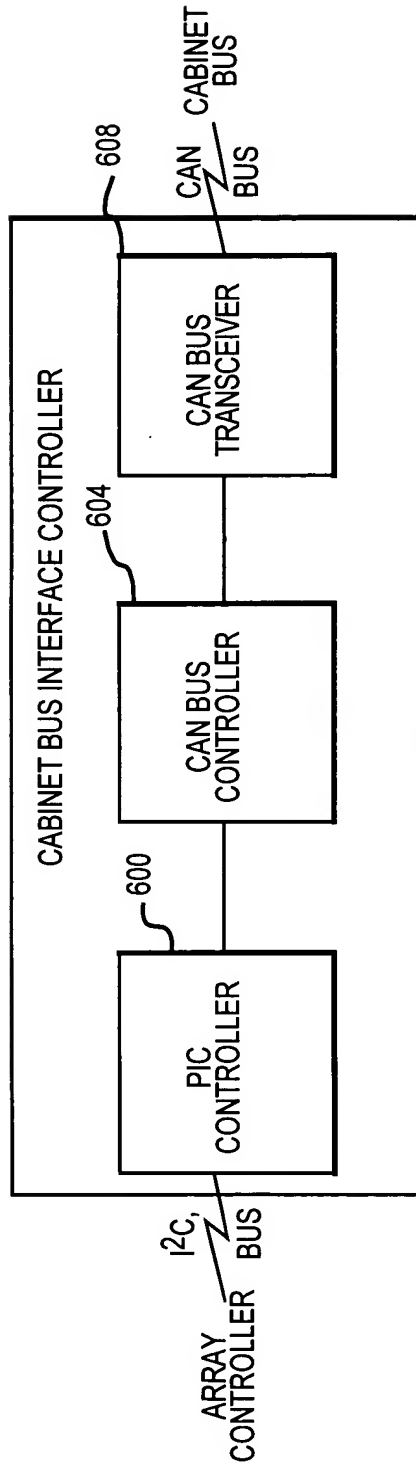


FIG.10

BYTE	BIT 7	BIT 6	BIT 5	BIT 4	BIT 3	BIT 2	BIT 1	BIT 0
0	PROTOCOL NUMBER							
1	00H CONFIGURATION STATUS PAGE FORMAT REVISION				80H GENERAL CONTROL PAGE FORMAT REVISION			
2	TYPE=0				REV			
3								
4	ERROR CODE							
5	SUB-ERROR CODE							
6	FRAMEWORK SOFTWARE REVISION							
7	APPLICATION SOFTWARE REVISION							
8	NUMBER OF STATUS PAGES=4							
9	NUMBER OF CONTROL PAGES=7							
STATUS PAGE 00H								
10	LENGTH=32							
11	SEMAPHORE	NEW DATA			FORMAT REVISION=1			
CONTROLLER INTERFACE STATUS PAGE=01H								
12	LENGTH=16							
13	SEMAPHORE	NEW DATA			FORMAT REVISION=1			
CONTROLLER INTERFACE PAGE 02H REPORTING GROUP PARTICIPATION								
14	LENGTH=22							
15	SEMAPHORE	NEW DATA			FORMAT REVISION=0			
CONTROLLER INTERFACE PAGE 03H DRIVE BYPASS STATUS								
16	LENGTH=6							
17	SEMAPHORE	NEW DATA			FORMAT REVISION=0			
CONTROLLER INTERFACE GENERAL CONTROL PAGE 80H								
18	LENGTH=1							
19	SEMAPHORE	NEW DATA			FORMAT REVISION=0			
CONTROLLER INTERFACE MODULE CONTROL PAGE 81H								
20	LENGTH=1							
21	SEMAPHORE	NEW DATA			FORMAT REVISION=0			
CONTROLLER INTERFACE LCD CONTROL PAGE 82H DRIVE								
22	LENGTH=1							
23	SEMAPHORE	NEW DATA			FORMAT REVISION=0			
CONTROLLER INTERFACE NON-VOLATILE CONTROL PAGE 83H								
24	LENGTH=5							
25	SEMAPHORE	NEW DATA			FORMAT REVISION=0			
CONTROLLER INTERFACE DRIVE BYPASS PAGE 84H								
26	LENGTH=6							
27	SEMAPHORE	NEW DATA			FORMAT REVISION=1			
CONTROLLER INTERFACE REVISION INFO CONTROL PAGE 85H								
28	LENGTH=4							
29	SEMAPHORE	NEW DATA			FORMAT REVISION=0			
CONTROLLER INTERFACE DRIVE BYPASS RESTART CONTROL PAGE 86H								
30	LENGTH=3							
31	SEMAPHORE	NEW DATA			FORMAT REVISION=0			

FIG.11

670

674676678680682684

BYTE	BIT 7	BIT 6	BIT 5	BIT 4	BIT 3	BIT 2	BIT 1	BIT 0
0	RESERVED	RESERVED	BYPASS DATA READY	NVRAM CHECKSUM INVALID	CABINET DATA HAS CHANGED	CAN BUS ERROR	CABINET CABLE ABSENT	RESET SINCE LAST STATUS
1	RESERVED	RESERVED	SHELF ID					
2	CABINET NUMBER							
3								
4								
5	IMAGE OF CONTROLLER'S FIRST REPORTING GROUP NUMBER							
6	IMAGE OF CONTROLLER'S SECOND REPORTING GROUP NUMBER							
7								
8	IMAGE OF STATIC CONTROL FLAGES							
	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	INTERRUPT MODE	DISBLE AUTO START
9	IMAGE OF CONTROL FLAGES							
	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	DISABLE CAB. BUS INTERFACE
10	IMAGE OF LCD MESSAGE BYTE							
11	RESERVED							
12	IMAGE OF CONTROLLER'S REVISION INFORMATION							
13								
14								
15								

672688690694698700704708712

FIG.12

FIG. 13

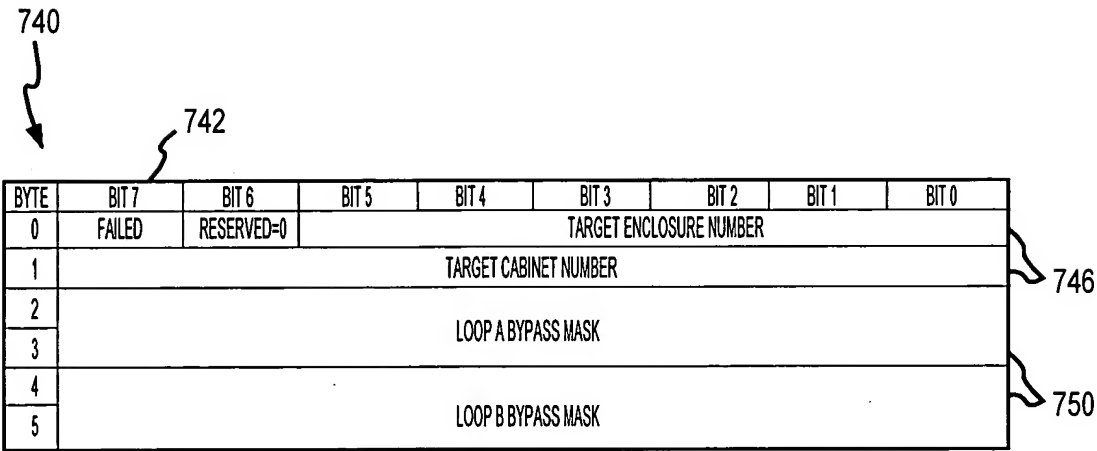


FIG.14

1008599-101401